

Powerfit S100 / S112/9 SR

INDUSTRIAL BATTERIES / NETWORK POWER

GNB's Powerfit S100 are general purpose batteries designed to deliver high performance in case of power interruptions. They are the ideal solution for applications such as security & alarm systems, emergency lighting, signaling, and any other UPS application where compact and reliable back-up power is key.

Part Number: NAS1120009VW0RA

APPLICATIONS



SPECIFICATIONS

- Rechargeable VRLA batteries in which the electrolyte is fixed in a glass mat (with very fine glass fibres)
- Perfect combination of energy storage performance and reliability
- Maintenance-free (no topping up) during the whole service life
- 5 years design life at 20 °C ambient temperature (80% remaining capacity) for S100 models (EUROBAT 2015: 3 – 5 years standard commercial)
- Container in ABS Material - no V0 available
- IEC 896-2 cycle test: 400 cycles at 60% DOD
- Designed in accordance with IEC 60896-21/22
- Grid plate construction consisting of a lead calcium alloy
- Low gas emission due to high gas recombination of 99%
- Low self-discharge rate (about 3% / month at 20 °C)
- Trouble-free transport of operational blocks, no restrictions for rail, road, sea and air transportation (IATA, DGR clause A67)
- Completely recyclable



Block battery



Grid plate



Recyclable



Valve
regulated
lead-acid
batteries



Maintenance
free (no
topping up)

RECYCLE WITH EXIDE.



Exide Technologies takes pride in its commitment to a better environment. An integrated approach to manufacturing, distributing and recycling of leadacid batteries has been developed to ensure a safe and responsible life cycle for all of its products.



For more information please
[contact your local dealer](#)

TECHNICAL CHARACTERISTICS AND DATA

Nominal voltage	12 V
Float charge	2,27 V/C @ 25 °C
Capacity	CP 10min 1,6V/C 25°C 220W/Bloc CC 10h 1,8V/C 25°C 9Ah
Short circuit current	170 A (IEC60896-21/22)
Internal resistance	18 mΩ (IEC60896-21/22)

Terminal	SR-6.3
Container	ABS
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	65 x 151 x 99 mm
Weight	2,45 kg
Origin	China

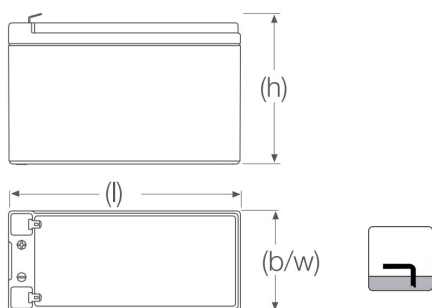
CONSTANT POWER DISCHARGE

W @ 25 °C	5 min	10 min	15 min	30 min	1 h	3 h	5 h	10 h	20 h	24 h
1,850 V/C	221	158	134	87	52	23,3	16	9,12	5,03	4,27
1,800 V/C	262	181	149	94,8	55,7	24,6	16,8	9,54	5,13	4,34
1,750 V/C	290	196	160	97,8	57,7	25,1	17	9,66	5,21	4,4
1,700 V/C	311	209	166	101	58,7	25,6	17,2	9,72	5,23	4,42
1,650 V/C	333	217	170	103	60	25,9	17,3	9,78	5,24	4,42
1,600 V/C	343	220	173	104	60,6	26	17,5	9,84	5,26	4,42

CONSTANT CURRENT DISCHARGE

A @ 25 °C	5 min	10 min	15 min	30 min	1 h	3 h	5 h	10 h	20 h	24 h
1,850 V/C	19,6	13,9	11,7	7,41	4,4	1,95	1,33	0,753	0,415	0,352
1,800 V/C	23,4	16	13,1	8,11	4,73	2,07	1,4	0,9	0,45	0,359
1,750 V/C	26,1	17,4	14,1	8,45	4,9	2,12	1,43	0,9	0,45	0,359
1,700 V/C	28,5	18,8	14,8	8,77	5,04	2,17	1,45	0,9	0,45	0,359
1,650 V/C	30,9	19,8	15,4	9,06	5,2	2,22	1,48	0,9	0,45	0,359
1,600 V/C	32,6	20,6	15,9	9,32	5,31	2,25	1,5	0,9	0,45	0,359

Technical drawing



Float Voltage vs Temperature

